



The University of Tennessee at Chattanooga (UTC) now joins other Tennessee universities in offering green initiatives on their campus. In the 2007 fall semester, UTC began collecting a “green fee” from all students enrolled in the University, aimed at improving the environmental impact of its campus operations. A UTC Environmental Task Force has been charged with the task of implementing policies and programs that impact the quality of the environment on the campus. Reducing energy consumption and waste was sited as the first step toward sustainability. With this in mind, the task force appropriated \$25,000 of green fee funds to the installation of occupancy lighting sensors in classrooms and labs. The task force also designated \$18,000 for the purchase of 375 blocks of Green Power Switch (GPS) through EPB of Chattanooga. By purchasing GPS blocks, UTC is helping to reduce the consumption of other forms of power generation and increase reliance on renewable, non-polluting forms of energy such as solar and wind power. Recycling is another priority for the task force. Funds were approved for an on-campus recycling service and for the purchase of recycling containers.

COMMENTS OR SUGGESTIONS

Let us hear from you!

We'd like to know if you're satisfied with our newsletter, and we're interested in what you would like to read in future issues. So e-mail us your comments today at greenpowerswitch@tva.com.

■ Please recycle this newsletter by passing it on to a friend. Thanks for your help and your interest!



Nashville, TN 37229-2409
P.O. Box 292409, OCP 2F
local power company



Presorted
Standard
U.S. Postage
Paid
Chattanooga, TN
Permit No. 366



TVA, LOCAL DISTRIBUTORS KICK OFF VALLEY-WIDE HOME ENERGY AUDIT PROJECT

Free Energy-Efficiency Kits Provided to Participants

TVA and local power distributors are providing a free energy-efficiency kit to every Tennessee Valley consumer who completes a do-it-yourself home energy audit.

The offer is part of TVA's effort to help inform the public about energy efficiency, while providing tools consumers can use now to start saving energy in addition to money on their electric bills.

“Using power more efficiently is an important part of meeting the future energy needs in the Tennessee Valley and reducing growth in power demand to help keep electric rates affordable,” said TVA Vice President of Energy Efficiency and Demand Response Joe Hoagland. “The do-it-yourself audits are designed to help consumers learn how efficient their homes currently are and what they can do to be more efficient. One month's electric bill and about 20 minutes are all Valley residents need to complete the audit and start saving money with their free energy-efficiency kit.”

In January, TVA met two all-time winter records for electricity consumption in the Valley. In August, TVA met 13 all-time summer records for power demand during a record-breaking heat wave. TVA's highest periods of consumer power demand have been growing nearly 2 percent a year.

Residents can take a home energy audit online by going to www.energyright.com. They can also request a paper copy from their local power distributor or by calling the *energy right*® Help Line at 1-800-663-1835. Consumers who complete the audit will receive a personalized energy profile showing their home's overall energy use and offering ideas on how you can reduce your energy bill. Plus, you will receive your free energy-efficiency kit.

Consumers who use the contents in the energy-efficiency kits and follow the recommendations from the audit could save as much as 20 percent on annual utility costs.



Each kit includes a comprehensive “How to Save” brochure and two compact fluorescent lightbulbs that use 75 percent less electricity and last 10 times longer than traditional lightbulbs. Plus, it includes outlet and switch gaskets, two faucet aerators, hot water temperature cards, energy use thermometer gauge and a filter whistle that sounds when the heating or cooling system filter is 80 percent clogged.

More than 9,000 consumers have completed the home energy audit from mid-January to mid-March. As part of its strategic plan, TVA is working with local power distributors and Valley stakeholders to develop new and expanded energy efficiency and demand reduction products, services and initiatives for consumers, business and industry.

More information on energy-efficient technologies, cost-saving tips, an energy resource library and do-it-yourself cost comparisons are available at www.energyright.com. Energy-saving information for students is available on the Web site www.tvakids.com.





EARTH DAY CALENDAR OF EVENTS

Earth Day is almost here! And this year there are plenty of places for you and your family to join the celebration. All of the events below are FREE to the public and include activities for the whole family to enjoy:

WHAT	WHERE	WHEN
EarthFest 2008	Pellissippi State CC Knoxville, TN	April 26, 2008 11:00 am–7:00 pm
Nashville's Earth Day Festival	Centennial Park Nashville, TN	April 19, 2008 11:00 am–7:00 pm
Murfreesboro's Earth Day Festival	Civic Plaza Murfreesboro, TN	April 19, 2008 10:00 am–3:00 pm
Earth Month Celebration*	Wilson Park Florence, AL	April 19, 2008 10:00 am–5:00 pm
Down to Earth Celebration**	Shelby Farms Park Memphis, TN	April 20, 2008 11:00 am–5:00 pm
Community Earth Day Celebration	Oak Ridge Civic Center Oak Ridge, TN	April 12, 2008 12:00 pm–5:00 pm
Nashville Sounds "Green Night"	Sounds Stadium Nashville, TN	May 17, 2008 Game starts at 6:00 pm
Sonnenschein Festival	The Strand Theater Hohenwald, TN	June 07, 2008 10:00 am–5:00 pm

*For more information, visit www.flo-tour.org

**For more information, visit www.shelbyfarmspark.org

MAKING BUILDING \$ENSE IN HOPKINSVILLE

To spur interest in building energy-efficient homes, Hopkinsville Electric System, along with TVA, has constructed an energy-efficient demonstration home. "The \$ensible Living Home is designed to incorporate the best of today's energy-thinking concepts," comments HES Energy Services Coordinator Lynn Clark. Like many other homes built in the area, the \$ensible Living Home has been built to *energy right* and ENERGY STAR requirements to ensure the home is comfortable and economical to operate. And not only was it rated ENERGY STAR for energy efficiency, it exceeded the rating and qualified for the \$2,000 energy-efficient tax credit for new construction. Clark adds, "The purpose of the project is to position ourselves as leaders on energy choice, promote and educate the community on the wise use of electricity, while showcasing the newest products on the market." The completed home was showcased at the 2008 Hopkinsville Home Show. "HES partnered with local home builder David East, East Construction, and several other home-building suppliers to offer the opportunity to be a part of this unique community-effort project in exchange for the exposure gained from showcasing their work and products."



After showcasing the home to more than 500 visitors, HES has now made it available for sale to the public with profits going to the Hopkinsville / Christian County Habitat for Humanity.

SOLAR-GENERATING HOME A FIRST FOR JEA

The home of Scott and Sherry Parkhurst is a model of energy efficiency and the first residence in Madison County, Tenn. to have a grid-tied solar power array. The 4,450-square-foot Victorian cottage is equipped with a 2.3 kW photovoltaic system composed of 11 Sharp solar panels and an inverter by Solar Electric. The solar system generates electricity and sells the power back to Jackson Energy Authority (JEA) under TVA's Green Power Switch Generation Partners program. The solar system offers the benefit of lowering the homeowner's electric bills, while reducing carbon emissions and allowing the homeowner to be less dependent upon other forms of electric generation. In addition to installing solar, the Parkhursts took steps to insulate their new home with Bio-Seal soy-based expandable foam insulation. The foam is sprayed into their exterior walls and rafters to establish an envelope of insulation. This type of insulation allowed the homeowner to use a smaller HVAC system to reduce energy costs. To heat the home, the Parkhursts chose radiant floor heat. Hot water from a gas water heater flows through "pex" tubing on all three floors. As a backup to radiant heat, a SEER 19 heat pump was installed. "This is the most comfortable, dust-free, energy-efficient home we have ever been in," says Scott Parkhurst. "Over the summer, when the temperatures soared, we maintained constant set temperatures on the second floor." The Parkhursts chose other ways to save



energy in their home by purchasing high-efficiency Energy Star-rated appliances, energy-efficient windows and doors, low water use commodes, and using compact fluorescent lightbulbs.

TVA currently has 45 generation partner systems operating in the Valley. For more information about TVA's Green Power Switch Generation Partners program, go to www.gpsgenpartners.com. For more energy-saving tips, visit www.energyright.com.

THE GPS NEWSLETTER IS GOING PAPERLESS.


In an effort to be environmentally friendly, we would like to make the GPS Newsletter electronic. Please take a few minutes and go to www.greenpowerswitch.com to subscribe to the new e-Newsletter. If you are unable to view the newsletter over the Internet, please let us know by sending a note, along with your mailing address, to: Green Power Switch, P.O. Box 292409, OCP 2F, Nashville, TN 37229-2409.




GENERATION UPDATE December 2007 - February 2008

 **Solar Power**
88,004 kWh

 **Wind Power**
17,694,477 kWh

 **Methane Gas**
8,920,482 kWh

 **GP Total**
26,702,962 kWh

For a complete listing of solar sites and their daily output, please visit www.greenpowerswitch.com.

PARTICIPATION UPDATE As of February 2008

56,066 / Total number of green power blocks subscribed

12,259 / Number of residential customers subscribing

2.0 / Average number of green power blocks per residential customer

511 / Number of business customers subscribing

For a list of participating business customers and monthly updates of generation figures, please visit www.greenpowerswitch.com.